

WHAT IS CLAIMED IS:

1. A method for manufacturing a highly-crystallized double oxide powder composed of a single crystal phase by forming fine droplets of a raw material solution containing a raw material compound that includes at least one metal element and/or at least one semi-metal element that constitutes a double oxide, and heating these droplets at a high temperature, wherein the raw material solution is a solution which exhibits only one main peak attributable to the decomposition reaction of the raw material compound or a reaction intermediate thereof in a DTA profile when the solution is dried and solidified and subjected to TG-DTA measurement.

2. The method according to Claim 1, wherein the main peak is present at a temperature range of 300 to 600°C.

3. The method according to Claim 1, wherein a plurality of compounds, each including at least one metal element and/or at least one semi-metal element therein, is used as the raw material compound.

4. The method according to Claim 1, wherein the raw material solution further includes a compound that reacts with the raw material compound to form a double salt, a complex, or a complex polymer.

5. The method according to Claim 4, wherein the raw material solution includes the raw material compound, a hydroxycarboxylic acid and/or a polyamino chelating agent, and a polyol.